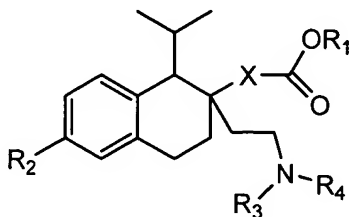


The Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. -22. (Canceled)

23. (Previously presented) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has the following structure:



wherein:

X=a bond, (CH₂)_n, O, S, or O(CH₂)_n,

wherein n=1-6;

R₁=C₁₋₆ alkyl, optionally substituted with OH or NH₂;

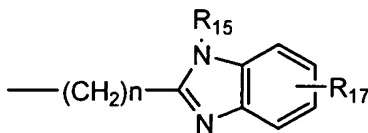
R₂=F or COOR₅,

wherein R₅ is C₁₋₆ alkyl, optionally substituted with OH or NH₂;

R₃=CH₃ or (CH₂)_n--COOR₆,

wherein n=1-6 and R₆ is C₁₋₆ alkyl, optionally substituted with OH or NH₂;

R₄=(CH₂)_n--COR₇R₈, --(CH₂)_n--R₁₀R₁₁ or



R₇=O, NH, or NR₉,

R₈=optionally substituted aryl or heterocycle,

R₉=C₁₋₆ alkyl,

R₁₀=O, S, SO, SO₂, NH, or NR₁₂,

R₁₁=aryl or heterocyclyl optionally substituted with (CH₂)_nCOOR₁₄,

R_{12} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

R_{13} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

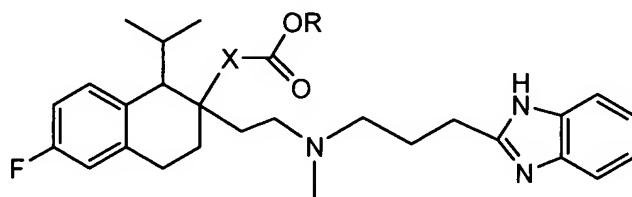
R_{14} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

R_{15} =(CH₂)_nCOOR₁₆,

R_{16} =C₁₋₆ alkyl, optionally substituted with OH or NH₂,

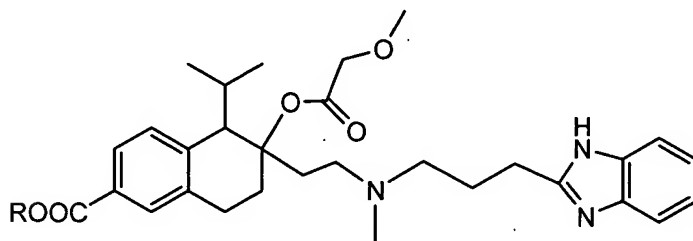
R_{17} =not present or COOR₁₈ wherein R_{18} is C₁₋₆ alkyl, optionally substituted with OH or NH₂, and wherein n=1-6.

24. (Previously presented) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has a formula selected from the group consisting of:

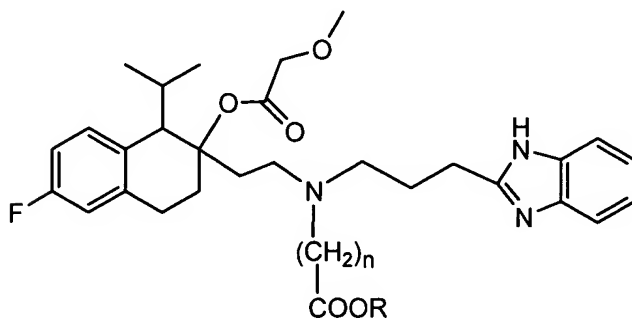


X=bond, CH₂, or OCH₂

R=lower alkyl optionally substituted OH or NH₂;

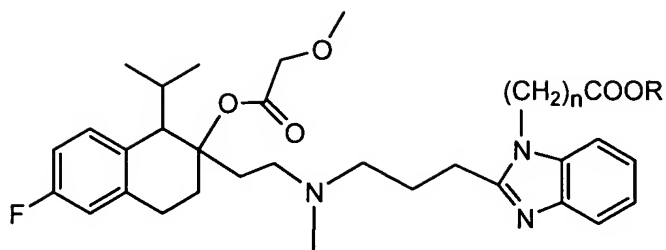


R=lower alkyl optionally substituted by OH or NH₂;



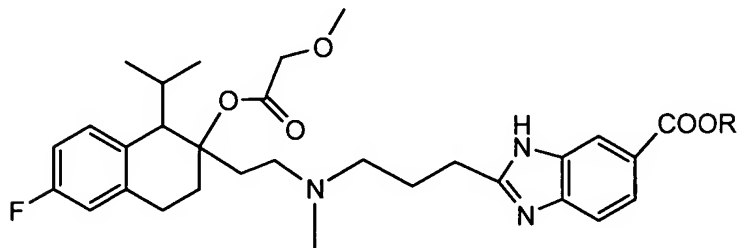
n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂;

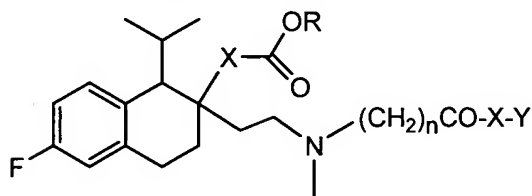


$n=1$ to 3

R=lower alkyl optionally substituted by OH or NH_2 ;

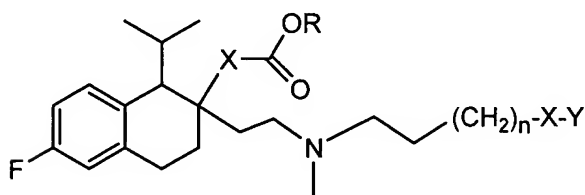


R=lower alkyl optionally substituted by OH or NH_2 ;



$n=1$ to 3 X=O, NH, NR where R is lower alkyl

Y=optionally substituted aryl or heterocyclyl; and

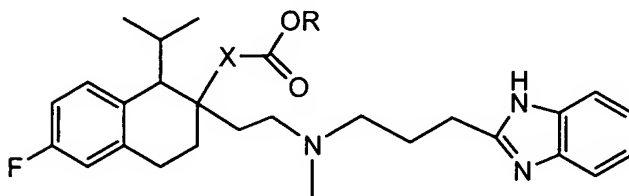


$n=0$ to 2

X=O, S, SO, SO_2 , NH NR or $\text{N}(\text{CH}_2)_m\text{COOH}$ where m is 0 or 2

Y=aryl or heterocyclyl substituted with $(\text{CH}_2)_m\text{COOH}$ where m is 0 to 2.

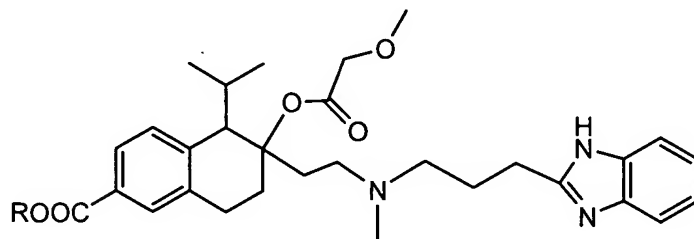
25. (Original) The compound, according to claim 24, wherein said compound has the following structure:



X=bond, CH₂, or OCH₂

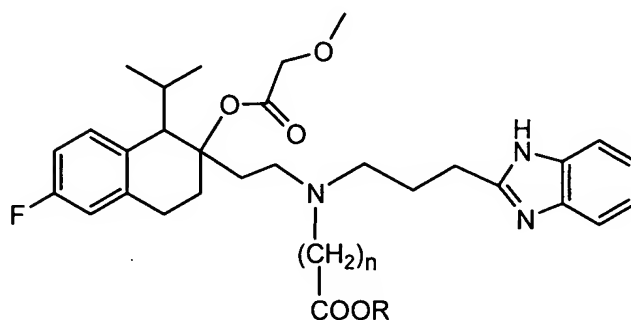
R=lower alkyl optionally substituted OH or NH₂.

26. (Original) The compound, according to claim 24, wherein said compound has the following structure:



R=lower alkyl optionally substituted by OH or NH₂.

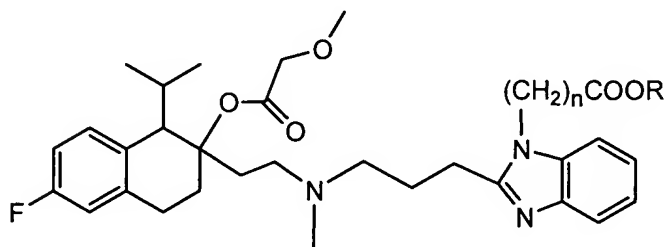
27. (Original) The compound, according to claim 24, wherein said compound has the following structure:



n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂.

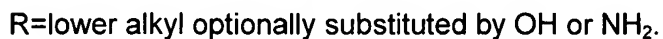
28. (Original) The compound, according to claim 24, wherein said compound has the following structure:



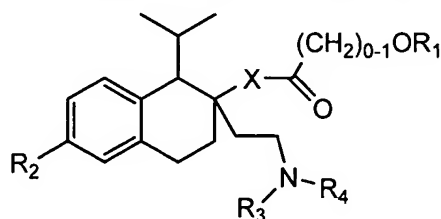
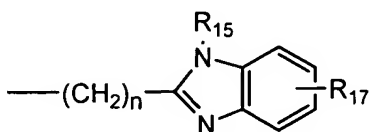
n=1 to 3

R=lower alkyl optionally substituted by OH or NH₂.

29. (Original) The compound, according to claim 24, wherein said compound has the following structure:



34. (Currently Amended) A method for blocking a calcium channel in a patient in need of such blocking wherein said method comprises administering to said patient a calcium channel blocking compound wherein said compound has the following structure:


$$R_4 = (CH_2)_n - COR_7R_8, \text{ } --(CH_2)_n - R_{10}R_{11} \text{ or}$$


$R_7 = O, NH, \text{ or } NR_9,$

$R_8 = \text{optionally substituted aryl or heterocycle},$

$R_9 = C_{1-6} \text{ alkyl},$

$R_{10} = O, S, SO, SO_2, NH, \text{ or } NR_{12},$

$R_{11} = \text{aryl or heterocyclyl optionally substituted with } (CH_2)_n COOR_{14},$

$R_{12} = C_{1-6} \text{ alkyl, optionally substituted with OH or } NH_2,$

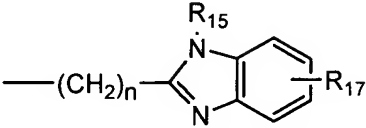
$R_{13} = C_{1-6} \text{ alkyl, optionally substituted with OH or } NH_2,$

$R_{14} = C_{1-6} \text{ alkyl, optionally substituted with OH or } NH_2,$

$R_{15} = \text{is H},$

$R_{17} = \text{not present or } COOR_{18} \text{ wherein } R_{18} \text{ is } C_{1-6} \text{ alkyl, optionally substituted with OH or } NH_2, \text{ and}$
 wherein $n=1-6$. $n=1-6$:

provided that when R_2 is fluoro; X is O; R_3 is methyl, $-(CH_2)_{0-1}OR_1$ is $-(CH_2)-O-C_{1-6} \text{ alkyl}$;

and R_4 is  , where n is 3 and R_{15} is H; then R_{17} is $COOR_{18}$.